IN THE CLAIMS:

Please amend claims 1 and 15 as follows. Please add new claims 16-19.

1. (Currently Amended) A method of controlling communication resources, the method comprising:

monitoring an indication of future need of communication resources in ~~said~~ a first network element;

sending the indication from the first network element to ~~the~~ a controller, wherein the indication is a coded value of a length of a data queue;

controlling the communication resources between the first network element and ~~the~~ a second network element based on this indication; and

controlling communications resources in a transmission from the first network element to the second network element, wherein the communication resources are allocated by ~~a~~ the controller.

2. (Original) The method according to claim 1, wherein the first network element is connected to the controller by way of the second network element.

3. (Previously Presented) The method according to claim 1, wherein in the sending, the indication includes information about a transmit buffer of the first network element.

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4. (Previously Presented) The method according to claim 1, wherein in the sending, the indication includes information on the additional resources needed for said first network element.

5. (Previously Presented) A method of controlling communication resources the method comprising:

monitoring an indication of future need of communication resources in a first network element;

sending the indication from the first network element to a controller; and

controlling the communication resources between the first network element and a second network element based on this indication, and

controlling communication resources in a transmission from the first network element to the second network element across a network, wherein the communication resources are allocated by a controller in the network,

wherein the controller is separate and independent from the first network element,

wherein the indication includes information about a transmit buffer of the first network element, wherein the indication includes coded values corresponding to predefined resources.

6. (Previously Presented) The method according to claim 4, wherein in the monitoring, the indication includes information about the transmit buffer of the first network element.

7. (Previously Presented) The method according to claim 1, wherein in the monitoring, the first network element is a mobile station and the second network element is a base station of a wireless communication network.

8. (Previously Presented) A system for controlling communication resources in a network, the system comprising:

a plurality of first stations;

a second station connected to the plurality of first stations through a plurality of communication links;

a controller configured to control the allocation of the communication resources among the links, the controller being separate and independent from the first stations,

said allocation being performed in accordance with information transmitted from the first stations which indicates a need for communication resources based upon lengths of data queues in the first stations, wherein the information is a coded value of the lengths of the data queues.

9. (Previously Presented) The system according to claim 8, wherein said controller is part of a base station.

10. (Original)The system according to claim 8, wherein said first stations are mobile stations in a wireless network.

11. (Previously Presented)The system according to claim 8, wherein each of said plurality of first stations includes:

a data generator;

a data queue;

an encoder configured to generate a code representative of the length of the data queue;

a transmitter configured to transmit said data with said code included therein as a field.

12. (Previously Presented)The system according to claim 8, wherein said base station includes a receiver configured to receive a transmission and producing data;

a decoder configured to decode a field of said data and producing an indication of the data queue in an associated first station;

wherein said controller receives said information from said decoder and allocates communication resources in accordance therewith.

13. (Original) The system according to claim 8, wherein said indication is provided for each data block transmitted.

14. (Previously Presented) A base station comprising:

a receiver;

a decoder configured to decode a code representative of a length of a data queue in at least one mobile station; and

a controller configured to control allocation of communication resources,

wherein said decoder provides queue length information for the at least one mobile station to the controller.

15. (Currently Amended) A mobile station comprising:

a data generator;

a data queue, configured to receive data packets from the data generator;

an encoder configured to encode a code representative of a length of the data queue; and

a transmitter configured to transmit data with said code included therein as a field.

16. (New) The method according to claim 1, wherein sending step further comprises sending the indication of the length of the data queue is sent in every packet.

17. (New) The system according to claim 8, wherein the first stations transmit the indication to the controller in each data packet.

18. (New) The base station according to claim 14, wherein indication is received by the decoder in each data packet.

19. (New) The mobile station according to claim 15, wherein the transmitter is further configured to transmit the indication in each data packet that is transmitted from the transmitter.